

Date: Wed, 25 May 94 15:39:50 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #574
To: Info-Hams

Info-Hams Digest Wed, 25 May 94 Volume 94 : Issue 574

Today's Topics:

Amp-Hours for a Battery
Bizarre QST statement
California 2m Repeaters
CB/HAM radio interference on phone lines
Coastwatcher radios
Help for RS-DX-440/Sangean 803A
Lists of ham radio lists
Logging software?
Motorola GPS engine purchase information
Scurvy knaves at ARRL
Straight Key Interface for Supermorse
Test session wierdos
WANTED: Address to get info from tapr.org
What does HAM mean ?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 25 May 1994 16:32:04 GMT
From: nothing.ucsd.edu!brian@network.ucsd.edu
Subject: Amp-Hours for a Battery
To: info-hams@ucsd.edu

If you put your ammeter on the 10-amp scale and connected it across the
battery, and it didn't immediately glow red and melt, then the battery
is bad.

- Brian

Date: Wed, 25 May 1994 18:24:54 GMT
From: ihnp4.ucsd.edu!pacbell.com!amdahl!netcomsv!netcom.com!greg@network.ucsd.edu
Subject: Bizarre QST statement
To: info-hams@ucsd.edu

In June QST, there is an article on buying your first HF rig.

Hooray!

However, the author makes a really bizarre statement:

In talking about hybrid rigs, he instructs the neophyte to stay away from those which have sweep tubes in the final, and go only for those with 'real' transmitting tubes (6146, presumably).

Pretty much narrows it down to 'Kenwood.'

It lets out Drake 4-line, which he mentioned as an example, FT-101s, etc.

One wonders how such a bizarre and subjective criteria got by the editorial staff. Would we really tell a Novice not to buy a good used TR4C or FT-101!?!

Yeah, I like 6146s better, but sweep tubes are both effective and available.

Greg

Date: Wed, 25 May 1994 17:01:16 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!news.msfc.nasa.gov!news.larc.nasa.gov!saimiri.prima.te.wisc.edu!sal.wisc.edu!zimmer!zimmer.csufresno.edu!rafaels@network.
Subject: California 2m Repeaters
To: info-hams@ucsd.edu

Anyone knows if there is an FTP site/file(s) with repeater frequency/location information? Is this in a FAQ? Where is the FAQ?

Thanks.

73 de Rafael
(waiting for my ticket!)

Rafael Solis, Professor Craig School of Business
rafaels@zimmer.csufresno.edu California State University, Fresno
(209)278-2194 (209)278-4911 (Fax)

Date: 25 May 1994 18:37:18 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!noc.near.net!hopscotch.ksr.com!
jfw@network.ucsd.edu
Subject: CB/HAM radio interference on phone lines
To: info-hams@ucsd.edu

gad@fncrd7.fnal.gov (greg deuerling) writes:
> [Tale of RFI woe deleted.]

For those who are interested, the full text of the FCC report on phone RFI
can be found in
 fcc.gov:/pub/Reports/rpts4002.txt
including a list of telephones that did not appear to be susceptible to RFI
in their (somewhat limited) tests.

Date: 25 May 94 17:34:32 GMT
From: news-mail-gateway@ucsd.edu
Subject: Coastwatcher radios
To: info-hams@ucsd.edu

There is a diorama of a coastwatchers station including radio at the Admiral
Nimitz Museum in fredricksburg, Texas. You might contact them for information.
73 de John N5TIM

>subject: Attention OZ - need info on Coastwatcher radios
>To: info-hams@ucsd.edu

>To any Australian amateurs (or others):

>I would like to obtain technical information
>on the radios used by the Coastwatchers in both
>Australia and in the Solomons during WWII.

>I would like to obtain photographs, technical descriptions,
>schematics, and stories of their use. Are any of these sets
>preserved anywhere. Are any available?

>Many thanks in advance.

>Grover

>WT6P

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>*****
>* Grover Cleveland                      WT6P@KE6LW.#NOCAL.CA *
>* Instructional Designer                  v(916) 478-3153 *
>* The Grass Valley Group Inc. - A Tektronix Company    f(916) 478-3831 *
>* Grass Valley, California                  DoD 7388 *
>*      "Snoozing in the grass next to the information goat path."      *
>*****
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-----
John R Galvin      N5TIM                      Alcatel Network Systems
galvin@aud.alcatel.com      Richardson, Texas
(214) 996-5749
```

----- My opinions are mine ! -----

Date: Wed, 25 May 1994 17:40:51 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!gerald@cc.utexas.edu!
portal.austin.ibm.com!awdprime.austin.ibm.com!sehne@network.ucsd.edu
Subject: Help for RS-DX-440/Sangean 803A
To: info-hams@ucsd.edu

I would like to modify the display light feature on the DX-440 so it toggles on & off,
instead of having to keep my finger on the button. Other than buying some CMOS ICs &
using the 9v supply, does anyone have an idea, or experience in doing such a thing?
Many thanks in advance. N2KTY (Gary Sehne)

Date: 25 May 94 16:53:54 GMT
From: news-mail-gateway@ucsd.edu
Subject: Lists of ham radio lists
To: info-hams@ucsd.edu

Well, it does help if you include the list in your message! Sorry, folks. Following is the list. Those with asterisks are the ones I can't make work, and for which I'd appreciate any help. I'll publish the complete verified list once I have checked it out. Please let me know, as well, about any lists I've omitted. Thanks!

BTW: The names that follow are the list names themselves. In most instances, subscriptions to these mailing lists are handled by sending messages to a robot mailing list server with a different address than the listname itself. So please don't send "subscribe me" messages to the addresses below. I'll publish the list-server info as part of the final list of lists, but in the meantime if you must try to subscribe to one of these ** right now ** try one of the following:

send a mail message to the listname with "-request" appended, and include the word subscribe in the text of the message. Example

To: CQ-contest-request@TGV.COM

Text:

SUBSCRIBE

If that doesn't work, then try sending to either majordomo@<hostname> or listserv@<hostname> and in the body of the message put SUBSCRIBE <listname>. Example:

TO: majordomo@stnn.mlo.dec.com

Text:

SUBSCRIBE CT-user

Here's the list:

CQ-contest@tgv.com
DX@UNBC.EDU QRP@think.com
* VHF.icon_fonts@xeroxaffiliates.xerox.com <unknown at that host>
Boatanchors@GNU.AI.MIT.EDU
VHF@W6YX.Stanford.EDU
N6TRlog@cmicro.com
CT-user@stnn.mlo.dec.com
ham-ant@ucsd.edu
ham-bsd@ucsd.edu
ham-digital@ucsd.edu
ham-equip@ucsd.edu
ham-homebrew@ucsd.edu
ham-policy@ucsd.edu
ham-radio@ucsd.edu
ham-space@ucsd.edu
info-hams@ucsd.edu
* ham-tech@world.std.com
* w1aw-list@world.std.com

* ky1n-list@world.std.com <all of these appear to forward to a ham call-sign-identified user at a host in New Mexico that is unknown to my mailing system's nameserver.>

73, Pete n4zr@netcom.com NOTE: New Address

Date: 25 May 1994 19:12:48 GMT
From: lerc.nasa.gov!kira.cc.uakron.edu!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!
au919@purdue.edu
Subject: Logging software?
To: info-hams@ucsd.edu

I would like to start logging my QSO's on my computer. Any experiences/suggestions/opinions as to how to start going about this would be appreciated.

I have a PC clone, and would prefer something running inside windows. I am thinking maybe an ACCESS application or possibly a simple spreadsheet. I would think (hope) the spreadsheet would get too huge and unmanageable with time. Possibly a shareware program exists that someone might suggest?

Thanks in advance and 73,
Bill

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Bill Lindberg
au919@yfn.ysu.eduam257@freenet.hsc.colorado.edu**KC5FKN**

Date: Wed, 25 May 1994 18:16:01 GMT
From: pa.dec.com!src.dec.com!crl.dec.com!nntpd.lkg.dec.com!nntpd2.cxo.dec.com!
specxn.enet.dec.com!bonomo@decwrl.dec.com
Subject: Motorola GPS engine purchase information
To: info-hams@ucsd.edu

Greetings, one and all!

This message is ASCII text, formatted as <CR> at =<78 characters, tabs at +8.

Have finally received "everything" which I will obtain from Motorola and Trimble, and the order requests have dwindled to a minimum, I have attached the specifications and pricing below.

In a nutshell, the Motorola unit is better in every way, excepting three factors. The Trimble unit:

- 1) is about 1/8" smaller in width and height,
- 2) is about .6 ounce lighter,
- 3) consumes less power in standby, quoted as ~2uA nominal, versus the Motorola's stated maximum of 60uA.

Other than that, the Motorola VP Oncore engine is superior in all ways, including price. The recommendation, from my perspective, is to choose the Motorola unit, but your choice may vary. The above factors, in which the Trimble unit is superior, may be significant ones for you.

I have had requests from 375 individuals, from nine countries, for over 435 units. All this is, of course, based on a "\$150" purchase price, which is not available.

Understanding this, it seems best if there is a "standard" configuration which is ordered, as the pricing given is for quantities of 100 and greater. If 100+ want the options, we'll order those, too. Remember, all prices are for 100+ units per item. In other words, if 25 units are wanted with the LNA option, the pricing for that LNA option will be somewhat higher than the figure quoted below, and I'm not sure if Motorola can (or will) handle one-sie, two-sies and get it right.

The recommended "standard" configuration:

Item	Price / each (includes Colorado State sales tax)
VP Oncore engine	\$268
Active Antenna	\$ 70
Cable to antenna	\$ 22

Total "standard"	\$360

Options to be considered:

LNA	\$ 16
battery	\$ 11

Shipping within the continental U.S., via 2nd day service, will run \$10. This includes a box, packing foam and shipping charges. This figure is good for

Motorola VP ONCORE SPECIFICATION DATA SHEET

Receiver Architecture

- o 6 channel
- o L1 1575.42 MHz
- o C/A code (1.023 Mhz chip rate)
- o Code plus carrier tracking (carrier aided tracking)

Tracking Capability

- o 6 satellite vehicles simultaneously

Dynamics

- o Velocity: 1000 m/s when altitude less than 18 km
- o Altitude: 18 km for velocities greater than 514 m/s
- o Accelleration: 4 g

Antenna

- o accepts active and passive antennas

Acquisition Time

(TTFF = Time To First Fix)

- o 22 sec. typical TTFF (with current almanac, position, time and ephemeris)
- o 48 sec. typical TTFF (with current almanac, position and time)
- o 2.5 seconds typical re-acquire

Accuracy

- o Position: less than 25 meters, SEP (without SA).
DoD may invoke Selective Availability (SA), potentially degrading accuracy to 100 meters (2 dRMS)

DATUMs

- o 49 std. datums, 2 user defined, default WGS-84

Signal Level

- o TTL

Output Messages

- o Latitude, longitude, height, velocity, heading, satellite tracking status (Motorola Binary Protocol)
- o NMEA-0183 Version 2.00 (GGA, RMC, GLL, GSA)
- o LORAN emulation mode
- o Software selectable

Operating voltage

- o 4.75 - 5.25 VDC, 50 mVp-p ripple

Operating current

- o 230 mA typical @5V, 275 mA max at 5.25V

Standby voltage

- o 2.5 - 5.0 VDC

Standby current

- o 60 ua max

Dimensions

- o 2.00" x 3.25" x .64" (50.80mm x 82.55mm x 16.26mm)

Weight

- o 1.9 oz. (53.9g)

Connectors

- o Digital: 10 pin (2 x 5) header on .100" centers
- o RF: right angle OSX (sub-miniature snap-on)

Operating Temperature

- o -30 - +85 degrees C (without on-board battery)
- o -20 - +60 degrees C (with on-board battery)

Storage Temperature

- o -30 - +85 degrees C (without on-board battery)
- o -20 - +60 degrees C (with on-board battery)

Humidity

- o 95% RH, non-condensing

Vibration

- o 7.7 g, random (survivability)

MTBF

- o >61,000 hours (estimated)

Optional features

- o Lithium battery
- o Low Noise Amplifier
- o Real Time Clock

Pricing (includes Colorado state sales tax)

VP Oncore engine	\$268
Active Antenna	\$ 70
Cable to antenna	\$ 22
Low Noise Amp	\$ 16
Lithium Battery	\$ 11

Development Software

1st option \$270

includes:

Raw code phase,
disc data,
smooth sat time,
carrier phase

2nd option \$215

includes:

above without
carrier phase

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Specifications for Trimble SVeeSix GPS engine

Model: SVeeSix-CM2

General

L1 Frequency, C/A code (SPS), 6 channel, continuous tracking receiver

Update Rate

NMEA - 1Hz

Accuracy

Position: 25m without SA
Velocity: 0.1m/s without SA
Time: 1 us (nom)

DGPS Accuracy

Position: 2m to 5m (2 sigma)
Velocity: 0.1m/s
Time: 1 us (nom)

Acquisition (typ)

Cold Start: 2 to 5 minutes
Warm Start: 50 sec with time upload
Hot start: 30 sec with time upload

Reacquisition

<2 sec

Dynamics

Velocity: 500 m/sec max
Acceleration: 4g
Jerk: 20m/sec³

Environmental Specs.

Operating temp: -10C to +60C
Storage temp: -55C to +100C
Vibration: 0.008g²/Hz 5Hz to 20Hz
0.05g²/Hz 20Hz to 100Hz
-3dB/octave 100Hz to 900Hz

Operating Humidity: 5% to 95% RH non-condensing @+60C
Altitude: -400m to +18000m

Physical Characteristics

Dimensions: 3.25" x 1.83" x 0.58"
Weight: 1.3 oz. (36.4g)
Connectors: RF: SMB, I/O: 8 pin (2x4), 2mm header

Technical Specifications

Prime power: +5Vdc (-3% to +5%)
Power consumption: 280 ma, 1.40 watts
Backup power: +3 to +5 Vdc
Backup consumption: 1 uA @3V and +25C (nom)
Serial port/1PPS: CMOS TTL
Protocol options: TSIP @9600 baud, 8-0-1
NMEA 0183 v2.0 @4800 baud, 8-N-1
TAIP @4800 baud, 8-N-1

NMEA messages: Standard: GGA, VTG
Optional: GGA, GLL, VTG, ZDA, GSA, GSV, RMC

Pricing (includes Colorado state tax)

SveeSix CM2, DGPS capable	\$321
Antenna (includes cable)	\$118

[illegible]

Date: 25 May 1994 09:19:15 -0700
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!olivea!
apple.com!apple.com!not-for-mail@network.ucsd.edu
Subject: Scurvy knaves at ARRL
To: info-hams@ucsd.edu

oo7@astro.as.utexas.edu (Derek Wills) writes sarcastically:

>The ARRL actually gives people raises? I'm shocked! What a terrible
>waste of money - how can they hope to stay in business with an attitude
>like that? What a bunch of losers. I'm tempted to resign - do you
>realize that ARRL membership costs around 8 cents per day? Daylight
>robbery!

Geez, Derek, old chap, you still don't get it, do you? ARRL membership is free. It is QST which costs 8 cents a day.

Or, is that both the membership and QST are free and the QSL Bureau costs 8 cents a day... Or...

I agree with Derek. Highway robbery. I'd rather spend that money on greenstamps for QSLs from KH6.

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

Date: Wed, 25 May 1994 07:35:14 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!ncar!asuvax!pitstop.mcd.mot.com!mcdphx!schbbs!mothost!
lmpsbbs!dub-fdev.dub.comm.mot.com!davidg@network
Subject: Straight Key Interface for Supermorse
To: info-hams@ucsd.edu

Does anyone have information on a simple interface to allow a straight key operate with the Supermorse CW tutor ? The interface shown in the documentation is not complete.

Thanks,

David Gilmartin

Date: 25 May 1994 12:23:47 -0400
From: get.hooked.net!news.sprintlink.net!deathstar.cris.com!starcore.cris.com!not-for-mail@decwrl.dec.com
Subject: Test session wierdos
To: info-hams@ucsd.edu

>Actually, it may be possible that the examinee, due to his
>advanced years (much less his nervousness) may not have been
>able to write "clearly" as demanded by some of the VEs.
>I almost wondered if that guy would have had a case for an
>age-discrimination lawsuit (arrghhhh). Anyway, alls well that
>ends well.

Maybe I should have quoted more of this article, but I think it's a shame that there was any question about passing this guy for his license... I think that Ham Radio is the BIG loser because many intelligent and desirable people are not ham radio operators just because of this silly code thing... You people on the Internet and BBS's elsewhere should know that most of the intelligent kids are heavily involved in computers, not ham radio...

Were it not for this dumb morse code thing there would be thousands more interesting, creative, intelligent people in Ham Radio and it would be growing and doing lots more technologically valuable things for this country and the world...

73... Marv...

(A ham for 39 years who sees no benefit to morse code today, but who is heavily into RTTY/AMTOR/Packet/PacTOR, the real digital modes...)

+-- Marv Uphaus -- Muphaus@cris.com -- CompuServe: 72122,1253 --+
+-- U.S. Mail: 4031 Airport Blvd. #49 -- Mobile, AL 36608 USA --+
+-- Packet Radio: K4BVG @W4IAX.#MOBAL.AL.USA.NA Ph: 205 343-9256 --+

Date: 25 May 1994 17:22:47 GMT

From: get.hooked.net!news.sprintlink.net!indirect.com!buster@decwrl.dec.com
Subject: WANTED: Address to get info from tapr.org
To: info-hams@ucsd.edu

: In article <WY1Z.94May22001727@bach.coe.neu.edu>,
: Scott Ehrlich <wylz@bach.coe.neu.edu> wrote:
: >I am looking for the e-mail address contact to obtain info from
: >TAPR.
: >
: >I know the domain name is tapr.org, but to whom/what should I send the
: >message to? Will info@tapr.org or help@tapr.org work?

Scott -

I run a bbs for TAPR, so you can contact me and I will be glad to pass
along any info that you may need.

You can send a a message to fileserv@tapr.org with help as the message to
get more info as well. Drop me a note here, buster@indirect.com, or on
the TAPR system, kw7h@tapr.org and I will see what I can do to help.

Lou Nigro - KW7H

--

"Water can be toxic if you keep your head under it long enough"

Date: 25 May 1994 13:17:07 -0400
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!news.ans.net!newstf01.cr1.aol.com!search01.news.aol.com!
not-for-mail@network.ucsd.edu
Subject: What does HAM mean ?
To: info-hams@ucsd.edu

In article <wb6wCqC0py.Eox@netcom.com>, wb6w@netcom.com (Glenn
Thomas) writes:

>>> I always thought that "dx" had its origins in the Calculus of
Libnitz ...

That would be ironic, since dy and dx are infinitessimals.... the
teeny-tiniest distance imaginable.

Jose KD1SB

Date: Wed, 25 May 1994 18:30:11 GMT
From: ihnp4.ucsd.edu!pacbell.com!uop!csus.edu!netcom.com!greg@network.ucsd.edu
To: info-hams@ucsd.edu

References <CpwzA0.3zt9@austin.ibm.com>, <LEVIN.94May19125643@medea.bbn.com>,
<Cq5wEu.G42@cbnewsm.cb.att.com>,
Subject : Re: HAM RADIO RUDENESS

In article <Cq5wEu.G42@cbnewsm.cb.att.com> jeffj@cbnewsm.cb.att.com
(jeffrey.n.jones) writes:

>>

>>Repeat three times every day till you've got it:

>>

>> USENET IS NOT REAL LIFE.

>> USENET IS NOT REAL LIFE.

>> USENET IS NOT REAL LIFE.

>

>Here, here!!!

>

>My ratio of 99% of good hams and 1% idiots sometimes gets reversed here. 8-)

>

One theory of USENET is that people say and do things that they would never
do in real life, for fear of getting the shit kicked out of them.

Such as walking into a crowded room and declaring that 99% of the crowd
are idiots.

Making one wonder whether Mr. Jones is part of the problem or part of the
solution.

Greg

End of Info-Hams Digest V94 #574
